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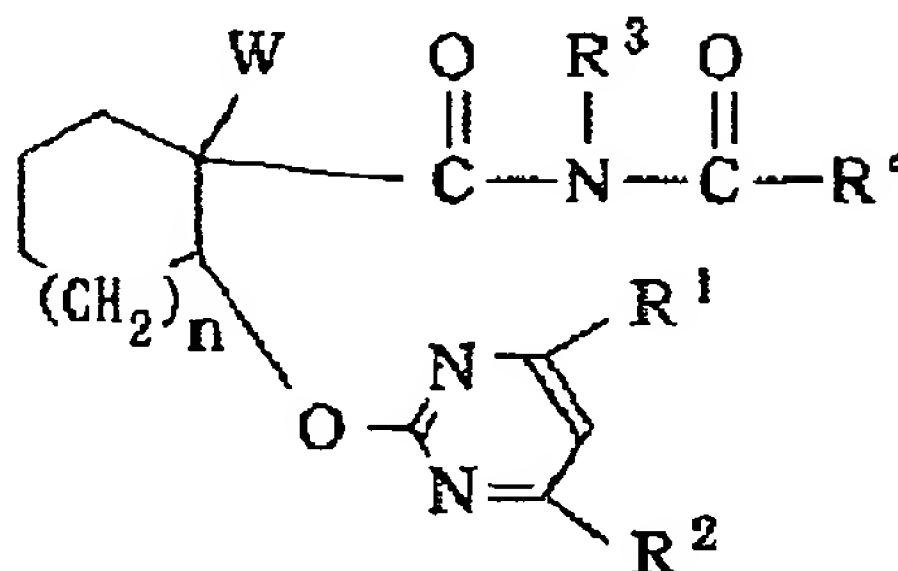
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APPLICANT : MITSUBISHI PETROCHEM CO LTD;

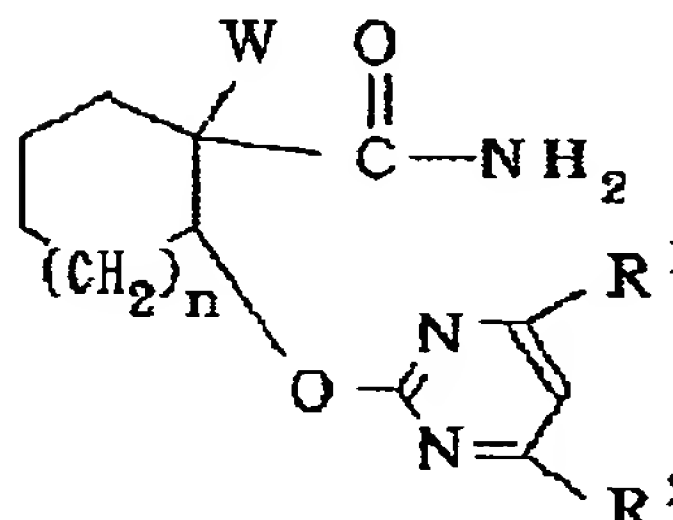
INVENTOR : FURUMINE MIKI;

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TITLE : NOVEL N-ACYLCYCLOALKANE
CARBOXAMIDE DERIVATIVE AND
HERBICIDE CONTAINING THE SAME
AS ACTIVE INGREDIENT



I



II

ABSTRACT : PURPOSE: To obtain a novel compound having a wide herbicidal spectrum and a strong herbicidal activity and having high safety for some kinds of useful crops.

CONSTITUTION: An N-acrylcycloalkane carboxamide derivative of formula I [(n) is 0-3; W is halogen; R^1 , R^2 are halogen, (halogenated)alkyl, (halogenated)alkoxy, (halogenated)alkylthio, mono or dialkyl-substituted amino; R^3 is H, a counter cation when an agriculturally acceptable salt is formed, alkyl, alkoxy; R^4 is (halogenated)alkyl, (halogenated)alkenyl, (substituted)aryl, (substituted)aralkyl], e.g. trans-1-fluoro-2-(4,6-dimethoxypyrimidinyl-2-oxy)-N-acetyl-1-cyclohexane carboxamide. The compound formula I wherein R^3 is H is obtained by reacting a compound of formula II with an acrylating agent of formula: $(R^4CO)_2$ or R^4COCl .

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